

## **LAYERED STRUCTURES FOR OPTICAL REFLECTORS**

### **ABSTRACT OF THE DISCLOSURE**

Device of layered structures for optical reflectors and method for making the device. A device for providing environmental stability and mechanical integrity in space includes a substrate and a first silicon oxynitride layer on the substrate. The first silicon oxynitride layer has a tensile stress. Additionally, the device includes a second silicon oxynitride layer on the first silicon oxynitride layer. The second silicon oxynitride layer has a compressive stress.

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